

ABSTRACT OF THE DISCLOSURE

A karaoke device with built-in microphone includes a main body microphone, and converts an audio signal from the microphone into audio data by an A/D converter, and writes the audio data into a ring buffer by mixing with the data already stored in the ring buffer. If an echo mode is set, a delay time constant (C_D) corresponding to the echo mode is determined, and on the basis thereof, a size of the ring buffer is set. The data is read from the ring buffer, and is inputted in a sound channel. If a voice effect mode is set, a reproduction frequency constant (C_F) corresponding to the voice effect mode is determined, and based thereon, an increment value of a read pointer of the ring buffer is determined, and then, the data is read from an address indicated by the read pointer.

When the read pointer reaches the delay time constant, the relevant constant is subtracted from the read pointer value. Furthermore, it becomes possible to simultaneously use a microphone of an additional microphone and the main body microphone by inserting a microphone plug of the additional microphone into a microphone jack of the karaoke device.